

DESIGN FACTORS:		
FACTORS	FUNCTION	LEVELS
PERYLENE	BACKBONE OF SPACE	5 - 60%
QUINDACRIDONE	BLUE TINT	0 - 40%
RUSSET MICA	PEARL AND BLUE	0 - 50%
ALUMINUM	LIGHTNESS/DARKNESS & HIDING	5% (CONSTANT)
BLACK	LIGHTNESS / DARKNESS & HIDING	0.5% (CONSTANT)
TRANS RED OXIDE	LIGHTNESS / DARKNESS	2% (CONSTANT)

CHART A

## DESIGN LEVELS:

		FACTORS						
RUN	PERYLENE	BLUE RUSSET MICA	QUINACRIDONE	RED IRON OXIDE	BLACK	ALUMINUM 5.00		
l	60.00	32.00	0.00	2.50	0.50			
2	60.00	0.00	32.00	2.50	0.50	5.00		
3	5.00	50.00	37.00	2.50	0.50	5.00		
4	42.00	50.00	0.00	2.50	0.50	5.00		
5	52.00	0.00	40.00	2.50	0.50	5.00		
6	5.00	47.00	40.00	2.50	0.50	5.00		
7	37.33	29.83	24.83	2.50	0.50	5.00		
8	56.00	0.00	36.00	2.50	0.50	5.00		
9	51.00	41.00	0.00	2.50	0.50	5.00		
10	5.00	48.50	. 38.50	2.50	0.50	5.00		
11	60.00	16.00	16.00	2.50	0.50	5.00		
12	23.50	50.00	18.50	2.50	0.50	5.00		
13	28.50	23.50	40.00	2.50	0.50	5.00		
14	48.67	30.92	12.42	2.50	0.50	5.00		
15	48.67	14.92	28.42	2.50	0.50	5.00		
16	21.17	39.92	30.92	2.50	0.50	5.00		
17	39.67	39.92	12.42	2.50	0.50	5.00		
18	44.67	14.92	32.42	2.50	0.50	5.00		
19	21.17	38.42	32.42	2.50	0.50	5.00		

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Fig−2

DURABIL/TY CHARACTERISTICS	DOI							
	FADE							
	SSOTD							
	ADHESION							
	25°	*_q	-					H
		*			-	-		Н
LES	45°	*			_			Н
COLOR COORDINATES		*_0						
ORE		* "						П
OR C		* L*						
00	75°	*_0						
		*8						
		*						
		ٿ						
CONSTITUENTS			:			:		
		ూ	•			Ė		
		2						H
		C <sub>1</sub> C <sub>2</sub> C <sub>3</sub>   C <sub>n</sub> L* a* b						Н
CAMPLE	TO THE PER	#	S1	S <sub>2</sub>	S3	S4	•••	S <sub>X</sub>

Fig-5

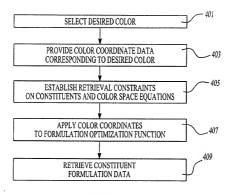
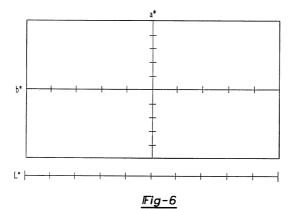
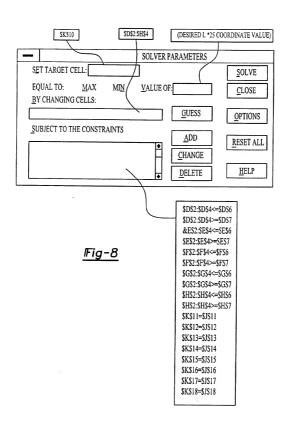


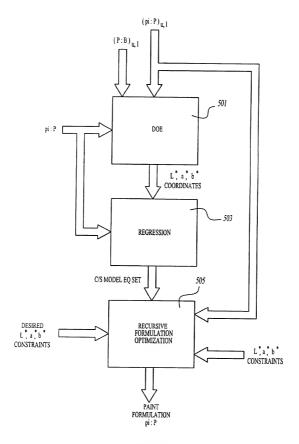
Fig-4



	_																	
T		<= SOLVER TARGET																
×								C/S MODEL EQUATIONS		L*	a*s	b*2	L*2	a*s	b*,	L*	a* 25	b*s
							L*a*b* CONSTRAINTS			DESIRED a*	DESIRED 6*	DESIRED L*	DESIRED a*	DESIRED 6*	DESIRED L*	DESIRED a*	DESIRED 6*	
_	H	Г		T	7		L			J	L	_	<u> </u>	L			<u>.</u>	
=	PIGS	$C_{25}$	CS <sub>4S</sub>	$S_{75}$		(p <sub>5</sub> :P),,	(p.:P),	,	23	k5 125	k5 a25	k5 <sub>b25</sub>	15 145	SadS	δί Εξ	k5 L75	k5 a75	K5 b75
9	PIG4	C4 <sub>25</sub>	ي چ	C475		(P <sub>1</sub> :P) <sub>u</sub>   (P <sub>2</sub> :P) <sub>u</sub>   (P <sub>3</sub> :P) <sub>u</sub>   (P <sub>4</sub> :P) <sub>u</sub>   (P <sub>5</sub> P) <sub>u</sub>	(p <sub>1</sub> :P), (p <sub>2</sub> :P), (p <sub>3</sub> :P), (p <sub>4</sub> :P), (p <sub>6</sub> :P),	;	¥	K4 L25	k4 a25	k4 b25	K4 L45	<b>25</b> 26	A by	K4 L75	K4 a75	K4 b75
ı.	PIG3	$\alpha_{25}$	345	Ω75		(P <sub>3</sub> :P) <sub>u</sub>	(p <sub>3</sub> :P)	7	133	K3 L25	k3 a25	k3 b25	55 LAS	13 a45	13 145	k3 L75	k3 a75	13 675
m	PIG 2	ı	!	C275		(P2:P) <sub>11</sub>	(j. P)	7	KZ	k2 L25	k2 a25	k2 b25	k2 L45	K2 #45	K2 b45	12 L75	27. a.75	k2 b75
D	I DIG I	CI 25	Cl 45	CI <sub>75</sub>		(P <sub>1</sub> -P) <sub>11</sub>	(P <sub>1</sub> :P <sub>)</sub>		K	kl L25	kl a25	kl b25	kl L45	kl a45	.Σ ΣΕ	KI 1.75	kl a75	kl b75
C		NDATA	NDATA	NDATA		NSTRAINT	NSTRAINT		м	K 1.25	K a25		K L45	K a45			K a75	
8		FORMULATION DATA	FORMULATION DATA	FORMULATION DATA		UPPER PLP CONSTRAINT	LOWER PI:P CONSTRAINT			r*	a*	p*	*1	*	p*	r*	*8	p*
<							_			ĸ			5			2		
	-	7	~	4	S	9	7	∞	6	10	=	12	=	4	15	9	1	∞

Fig-7





Fig−9